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A61K 7/00**A61K 7/027****A61K 7/075****A61K 7/08****A61K 47/14****A61P 17/00**(21)Application number : **11-211577**(71)Applicant : **NIPPON FINE CHEM CO LTD**(22)Date of filing : **27.07.1999**(72)Inventor : **SATOU MIKINOBU
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OKUMURA MASAKAZU****(54) COSMETIC AND PREPARATION FOR EXTERNAL USE**

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a cosmetic and a preparation for external use, capable of suppressing oily feeling, capable of providing a smooth-touch and light feeling, having air-permeability and moist feeling, capable of retaining moisture, and further having emollient properties and a specific feeling by including a specific ester as an oil phase component.

SOLUTION: This cosmetic and preparation for external use contain an ester of (A) a branched fatty acid obtained from a lanolin fatty acid, and (B) a branched alcohol, preferably 2-octyldodecanol. For example, the component A can be obtained as a nonhydroxy fatty acid from the lanolin fatty acid included in a lanolin, by using a method of converting a hydroxy fatty acid component in the lanolin fatty acid to a boric acid ester, and subjecting the product to a distillation under a reduced pressure to separate the nonhydroxy fatty acid from the hydroxy fatty acid.

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CLAIMS

[Claim(s)]

[Claim 1] Cosmetics and external preparations which are characterized by containing the ester of the branched chain fatty acid and branching alcohol which are obtained from a lanolin fatty acid as an oil phase component.

[Claim 2] Cosmetics according to claim 1 and external preparations whose branching alcohol is 2-octyl dodecanol.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the cosmetics and external preparations containing the ester of the branched chain fatty acid obtained from a lanolin fatty acid as an oil phase component.

[0002]

[Description of the Prior Art] Ester with branching alcohol, such as isopropyl ester of a lanolin fatty acid, isostearyl ester, and 2-octyldodecyl ester, is used for cosmetics as an oil phase component from the former.

[0003]

[Problem(s) to be Solved by the Invention] However, the satisfaction **** thing was not obtained by the use feel -- there are a feeling of oiliness and a feeling of stickiness -- in the cosmetics and skin external preparations which blended these.

[0004] The technical problem which this invention tends to solve is to remove lanolin fatty-acid-ester combination cosmetics and the above-mentioned fault of external preparations.

[0005]

[Means for Solving the Problem] It found out that the skin cosmetics which are not in the former with the peculiar feel which this invention persons stop a feeling of oiliness when the ester of the branched chain fatty acid obtained from a lanolin fatty acid applies to the skin, as a result of inquiring wholeheartedly that the above-mentioned technical problem should be solved, and has permeability at the light feel carried out entirely, and has the emollient nature which held moisture at the feel carried out gently, hair cosmetics, etc. could be given, and this invention was completed.

[0006] That is, the technical problem which this invention tends to solve is solvable with the cosmetics and external preparations which are characterized by containing the ester of the branched chain fatty acid obtained from a lanolin fatty acid as an oil phase component.

[0007] The branched chain fatty acid obtained from the lanolin fatty acid of this invention contains 30 - 45 % of the weight of iso mold fatty acids expressed with [-izing 1], 30 - 50 % of the weight of ANTEISO mold fatty acids expressed with [-izing 2], and 10 - 30 % of the

weight of normal mold fatty acids expressed with [-izing 3], and the total quantity of the above-mentioned iso fatty acid and an ANTEISO mold fatty acid is at least 60 % of the weight, and the content of hydroxyfatty acid is less than 10 % of the weight. The branched chain fatty acid of an isolation gestalt is in the range whose melting point (based on the 2nd law based on Japanese Standards of Cosmetic Ingredients) is 25-55 degrees C, and the acid number is in the range of 140-210, and saponification value is in the range of 160-210.

[0008] [-izing 1] iso mold fatty-acid $\text{CH}_3\text{-CH}(\text{CH}_3)\text{-(CH}_2\text{)}_n\text{-COOH}$ $n=6\text{-}36$ [0009] [-izing 2] ANTEISO mold fatty-acid $\text{C}_2\text{H}_5\text{-CH}(\text{CH}_3)\text{-(CH}_2\text{)}_n\text{-COOH}$ $n=5\text{-}35$ [0010] [-izing 3] normal mold fatty-acid $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-COOH}$ $n=8\text{-}38$ [0011] The branched chain fatty acid obtained from the lanolin fatty acid of this invention can be obtained from the lanolin fatty acid contained in wool grease by the following approach as non-hydroxyfatty acid.

[0012] That is, after processing the method (JP,6-234994,A) of making the hydroxyfatty acid component in a lanolin fatty acid into boric acid ester, carrying out vacuum distillation subsequently, and separating a non-hydroxyfatty acid component and a hydroxyfatty acid component, or lanolin fatty-acid methyl ester with a solvent and separating omega-hydroxyfatty acid methyl, a branched chain fatty acid can be obtained as non-hydroxyfatty acid by the approach of dividing into non-hydroxyfatty acid and alpha-hydroxyfatty acid methyl by the column-chromatography-technique using the activated clay, an alumina, silica gel, etc. as an adsorbent etc.

[0013] As branching alcohol of this invention, isopropanol, 2-octyl dodecanol, 2-hexyl decanol, isostearyl alcohol, etc. are raised, and 2-octyl dodecanol is especially desirable.

[0014] Although especially the loadings of the branching fatty acid ester to this invention cosmetics are not limited, they are about 0.1 - 50 % of the weight, and especially its 0.5 - 30 % of the weight is desirable. It responds to this invention cosmetics at the need. Moreover, water and the addition component usually blended with cosmetics, For example, oils, an emulsifier, alcohols, a moisturizer, a thickener, an antioxidant, Antiseptics, a germicide, a chelating agent, pH regulator, an ultraviolet ray absorbent, a whitening agent, A solvent, keratin exfoliation and a resolvent, an antipruritic agent, an antiphlogistic, an antiperspirant, a refrigerant, a reducing agent, An antihistamine, an astringent, a stimulant, the drugs for hair fostering, giant-molecule fine particles, a hydroxy acid, vitamins, the derivatives and a saccharide and its derivatives, organic acids, enzymes, nucleic acids, hormone, clay minerals, perfume, coloring matter, etc. can be blended.

[0015] When these addition components are illustrated, as oils For example, cetanol, myristyl alcohol, oleyl alcohol, lauryl alcohol, The cetostearyl alcohol, stearyl alcohol, ARAKIRU alcohol, Jojoba alcohol, chimyl alcohol, batyl alcohol, hexyl decanol, Higher alcohol, such as isostearyl alcohol and 2-octyl dodecanol; A lauric acid, A myristic acid, a palmitic acid, stearin acid, isostearic acid, behenic acid, Undecylenic acid, 12-hydroxy stearin acid, palmitoleic acid, Oleic acid, linolic acid, the Reno Laing acid, an erucic acid, docosa-hexaenoic acid, Eicosapentaenoic acid, iso hexadecanoic acid, an ANTE iso pentadecane acid, Higher fatty acids, such as a long-chain branched chain fatty acid, and the aluminum salt of those, a calcium salt, Nitrogen-containing derivatives, such as metal soap, such as magnesium salt, zinc salt, and potassium salt, and an amide; A liquid paraffin, Hydrocarbons, such as squalane, squalene, vaseline, solid paraffin, a ceresin, and a micro crystallin wax; Safflower oil, Olive oil, castor oil, an avocado oil, sesame oil, tea seed oil, Oenotherae Biennis oil, a wheat germ oil, A macadamia-nuts oil, hazelnut oil, a coconut oil, the Lowe's blip oil, Vegetable oil, such as a meadowfoam oil, a par chic oil, a tea tree oil, mentha oil, and hydrogenated castor oil; Cacao butter, Vegetable fat, such as Xia fat, haze wax, palm oil, palm oil, and palm kernel oil; Beef tallow, Animal fat and oil, such as milk fat, horse fat, a yolk oil, a mink oil, and a turtle oil; A carnauba wax, Vegetable lows, such as a candelilla low, jojoba oil, and hydrogenation jojoba oil; Yellow bees wax, Animal lows, such as spermaceti wax, lanolin, and the Orange RAFFI oil; Liquefied lanolin, Reduction lanolin,

adsorption purified lanolin, acetic-acid lanolin, acetic-acid liquefied lanolin, Hydroxy lanolin, polyoxyethylene lanolin, a lanolin fatty acid, A hard lanolin fatty acid, lanolin alcohol, acetic-acid lanolin alcohol, Lanolin, such as acetic-acid (cetyl RANORIRU) ester; Phosphatidylcholine, Phosphatidylethanolamine, phosphatidylinositol, sphingomyelin, Phospholipid, such as phosphatidic acid and lysolecithin; Hydrogenation soybean phosphatide, Phospholipid derivatives, such as hydrogenation yolk phospholipid; Cholesterol, a dihydrocholesterol, Sterols, such as lanosterol, dihydrolanosterol, and a phytosterol; Acetic-acid cholesteryl, Nonoic acid cholesteryl, stearin acid cholesteryl, isostearic acid cholesteryl, Oleic acid cholesteryl, di-(cholesteryl-behenyl-octyldodecyl) N-lauroyl-L-glutamate, N-lauroyl-L-glutamic acid-di(coresteryl/octyldodecyl), N-lauroyl-L-glutamic acid II (phytosteryl and 2-octyldodecyl), 12-hydroxy stearin acid cholesteryl, macadamia-nuts oil fatty-acid cholesteryl, Macadamia-nuts oil fatty-acid phytosteryl, isostearic acid phytosteryl, Elasticity lanolin fatty-acid cholesteryl, hard lanolin fatty-acid cholesteryl, Sterol ester, such as long-chain branched chain fatty acid cholesteryl and long-chain alpha-hydroxyfatty acid cholesteryl; Ethyl oleate, Avocado oil fatty-acid ethyl, palmitic-acid isopropyl, palmitic-acid octyl, Lower alcohol fatty acid ester, such as isostearic acid isopropyl, iso nonoic acid iso tridecyl, and lanolin fatty-acid isopropyl; Myristic-acid octyldodecyl, Octanoic-acid cetyl, oleic acid oleyl, oleic acid octyldodecyl, Higher-alcohol fatty acid ester, such as dimethyl octanoic-acid hexyl DESHIRU and succinic-acid dioctyl; Lactic-acid cetyl, Higher-alcohol oxy acid ester, such as malate diisostearyl; A triolein acid glyceride, A Tori isostearic acid glyceride, the Tori (capryl lactam capric acid) glyceride, Polyhydric-alcohol fatty acid ester, such as polypropyleneglycol dioleate; Silicon resin, Methyopolysiloxane, octamethyl trisiloxane, a decamethyl tetra-siloxane, High polymerization methyopolysiloxane, dimethylpolysiloxane, a methylphenyl polysiloxane, Silicone derivatives, such as methyl-hydrogen-polysiloxane, organic denaturation polysiloxane, annular dimethylsiloxane, and bridge formation mold methyopolysiloxane and a bridge formation mold methylphenyl polysiloxane; a perfluoro polyether etc. is mentioned.

[0016] As an emulsifier, a fatty-acid salt, an alkyl-sulfuric-acid ester salt, alkylbenzene sulfonates, Polyoxyethylene alkyl sulfate, a polyoxyethylene fatty amine sulfate, An acyl N-methyl taurine salt, alkyl ether phosphate, Anionic detergents, such as N-acylamino acid chloride; Polyoxyethylene alkyl ether, Polyoxyethylene alkyl phenyl ether, polyoxyethylene-alkyl-ether sorbitan fatty-acid partial ester, Polyhydric-alcohol fatty-acid partial ester, polyglyceryl fatty acid ester, Polyoxyethylene fatty acid ester, alkyl dimethylamine oxide, Nonionic surface active agents, such as alkyl poly glycoside and an ethylene oxide propylene oxide block copolymer; Alkyl trimethylammonium chloride, Cationic surfactants, such as short chain polyoxyethylene alkylamine and its salt or the fourth class salt, and a benzalkonium chloride; An alkyl dimethylamino acetic-acid betaine, Amphoteric surface active agents, such as an alkylamide dimethylamino acetic-acid betaine and 2-alkyl-N-carboxy-N-hydroxy imidazolinium betaine; Polyvinyl alcohol, High-molecular-surface-active-agents [, such as sodium alginate, the derivative of starch, tragacanth gum, and an acrylic acid, a methacrylic-acid copolymer,]; etc. can be illustrated.

[0017] As a moisturizer, polyhydric alcohol, such as propylene glycol, a glycerol, and 3-methyl-1,3-butanediol Hyaluronate sodium, citrate, a urea, lactic-acid-bacteria culture medium, a yeast extract, Membrana-testae protein, cow submaxillary mucin, a hypotaourine, a sesame lignan glycoside, A betaine, chondroitin sulfate, ceramide (Types 1, 2, 3, 4, 5, and 6), Hydroxy ceramide, false ceramide, sphingoglycolipid, a glutathione, A polyethylene glycol, a sorbitol, carbitol, sodium lactate, 2-pyrrolidone-5-carboxylic-acid sodium, albumin, a trimethyl glycine; A collagen, An elastin, a collagenolysis peptide, an elastin decomposition peptide, a keratin decomposition peptide, A conchiolin decomposition peptide, a silk proteolysis peptide, a soybean protein decomposition peptide, Protein peptides and the derivatives of those, such as a wheat proteolysis peptide and a casein decomposition peptide;

An arginine, A serine, a glycine, threonine, glutamic acid, a cysteine, a methionine, Amino acid, such as a leucine, a tryptophan, and a theanine; an animal, vegetable extract components, etc., such as a placenta extract, an elastin, a collagen, an aloe extract, hamamelis water, luffa water, chamomile extract, glycyrrhiza extract, and comfrey extractives, can be illustrated.

[0018] As a thickener, high molecular compounds, such as guar gum, KUINSU seed gum, xanthan gum, a carrageenan, an alginic acid, carboxymethylcellulose sodium, a carboxyvinyl polymer, a polyvinyl pyrrolidone, a both-sexes methacrylic ester copolymer, a cation-ized cellulose, a polyacrylic ester copolymer, and a nitrocellulose, can be illustrated.

[0019] BHT, BHA, propyl gallate, a tocopherol, etc. can be illustrated as an antioxidant.

[0020] As antiseptics, phenols, a benzoic acid and its salts, halogenation bisphenols, acid amides, and quarternary ammonium salt can be illustrated.

[0021] As a germicide, TORIKUROROKARUBANIDO, zinc pilus thione, a benzalkonium chloride, benzethonium chloride, chlorhexidine, a halo cull van, hinokitiol, a phenol, an isopropyl phenol, and admiration light corpuscles can be illustrated.

[0022] The edetate, a sodium oxalate, etc. can be illustrated as a chelating agent.

[0023] As a pH regulator, a citric acid, a succinic acid, a hydrochloric acid, ethanolamine, diethanolamine, triethanolamine, aqueous ammonia, a sodium hydroxide, a calcium chloride, etc. can be illustrated.

[0024] As an ultraviolet ray absorbent, a benzophenone derivative, a p-aminobenzoic-acid derivative, a PARAMETOKISHI cinnamic acid derivative, a salicylic acid derivative, urocanic acid, urocanic acid ethyl, 4-tert-butyl-4'-methoxy-dibenzoylmethane, 2-(2'-hydroxy-5'-methylphenyl) benzotriazol, methyl ortho aminobenzoate, rutin, its derivative, etc. can be illustrated.

[0025] As a whitening agent, kojic acid, arbutin, an ascorbic acid, a glutathione, ellagic acid, placental extract, orizanol, etc. can be illustrated.

[0026] As solvents, lower alcohol; acetones, such as ethanol and propanol, ethylene glycol monoethyl ether, toluene, etc. can be illustrated.

[0027] As keratin exfoliation and a resolvent, a salicylic acid, sulfur, resorcinol, the selenium sulfide, a pyridoxine, etc. can be illustrated.

[0028] As an antipruritic agent, diphenhydramine hydrochloride, a maleic-acid clo RUFE lamin, camphor, etc. can be illustrated.

[0029] As an antiphlogistic, glycyrrhizic acid and its derivative, a GUAI azulene, acetic-acid hydrocortisone, prednisone, etc. can be illustrated.

[0030] As an antiperspirant, KURORU hydroxy aluminum, an aluminum chloride, a zinc oxide, the Para zinc phenolsulfonate, etc. can be illustrated.

[0031] Menthol, a methyl salicylate, etc. can be illustrated as a refrigerant.

[0032] Thioglycolic acid, a cysteine, etc. can be illustrated as a reducing agent.

[0033] As an antihistamine, a hydrochloric-acid JIFEDO lamin, chlorpheniramine maleate, a glycyrrhetic acid derivative, etc. can be illustrated.

[0034] As an astringent, a citric acid, a tartaric acid, a lactic acid, potassium aluminum sulfate, a tannic acid, etc. can be illustrated.

[0035] As a stimulant, KANTA rinse tincture, show yaw tincture, capsicum tincture, nicotinic-acid benzyl, etc. can be illustrated.

[0036] As drugs for hair fostering, sialid extractives, cepharanthin, vitamin E and its derivative, gamma-orizanol, capsicum tincture, show carp lice tincture, cantharides tincture, nicotinic-acid benzyl ester, allantoin, the admiration light corpuscle 301, and admiration light corpuscle 401 grade can be illustrated.

[0037] As giant-molecule fine particles, a polymethyl methacrylate, the end of a polyethylene terephthalate polymethylmethacrylate laminating, etc. can be illustrated in starch, nylon powder, and the end of polyethylene.

[0038] As alpha-hydroxy acids and derivatives of those, a lactic acid, a glycolic acid, a fruits

acid, a hydroxy capric acid, long-chain alpha-hydroxyfatty acid, long-chain alpha-hydroxyfatty acid cholesteryl, etc. can be illustrated.

[0039] As vitamins and derivatives of those, vitamers, such as vitamin; ascorbyl stearate, such as vitamin A, vitamin B group, vitamin D, vitamin E, pantothenic acid, and a biotin, palmitic-acid ASUKORUBIRU, dipalmitate ASUKORUBIRU, phosphoric-acid ascorbyl magnesium, sodium ascorbate, tocopherol nicotinate, tocopherol acetate, a linolic acid tocopherol, and a ferulic acid tocopherol, can be illustrated.

[0040] As a saccharide and its derivatives, saccharides, such as cyclodextrin, beta-glucan, a chitin, chitosan, a glucose, trehalose, pectin, arabinogalactan, gelatin, a dextrin, and a dextran, and the derivative of those can be illustrated.

[0041] An abietic acid, a tartaric acid, etc. can be illustrated as organic acids.

[0042] As enzymes, lysozyme chloride, keratinases, a papain, pancreatin, a protease, etc. can be illustrated.

[0043] Adenosine-triphosphate disodium etc. can be illustrated as nucleic acids.

[0044] As hormone, estradiol, estrone, ethinylestradiol, cortisone, hydrocortisone, prednisone, etc. can be illustrated.

[0045] A montmorillonite, a sericite, a kaolinite, a kaolin, etc. can be illustrated as clay minerals.

[0046] As perfume, a limonene, RINANORU, a citral, beta-ionone, benzyl benzoate, Indore, an eugenol, an ORAN thiol, a geraniol, RIRARU, pellet SUKON, benzyl acetate, jasmine lactone, a GARAKU solid, essential oil, etc. can be illustrated.

[0047] As coloring matter, organic synthesis coloring matter, such as natural-coloring-matter; colors, such as inorganic pigment; beta carotene, such as a mica, talc, a kaolin, a calcium carbonate, red ocher, yellow oxide of iron, black oxide of iron, ultramarine blue, Berlin blue, carbon black, a titanium dioxide, a zinc oxide, mica titanium, a scales foil, boron nitride, a phot clo MIKKU pigment, synthetic fluorine phlogopite, and a particle composite powder object, cull SAMIN, rutin, cochineal, and chlorophyll, a lake, and an organic pigment, can be illustrated.

[0048] In addition, the component used for components, such as well-known cosmetics, drugs, and food, etc. can be suitably blended in the range which does not spoil the effectiveness of this invention.

[0049] The cosmetics of this invention can be manufactured according to the usual approach, and basic cosmetics, makeup cosmetics, the cosmetics for hair, aroma cosmetics, body cosmetics, etc. are included.

[0050] As basic cosmetics, for example Cleansing cream form, cleansing cream gel, ****, washing-its-face powder, cleansing cream, cleansing cream milk, Charges of washing its face, such as a cleansing cream lotion, cleansing cream oil, and a cleansing cream mask; Flexible face toilet, Face toilet, such as converge face toilet, face toilet for washing, and multilayer type face toilet; An emollient lotion, A moisture lotion, a mill KII lotion, a nourishing lotion, Nourishing milk, a skin moisture, a moisture emulsion, A massage lotion, a cleansing cream lotion, a protection emulsion, Thump ROTOKUTO, thump ROTOKUTA, UV care milk, a sun screen, A makeup lotion, keratin smoother, an elbow lotion, hair milk, Milky lotions, such as a hand lotion and a body lotion; An emollient cream, Nourishing cream, nourishing cream, vanishing cream, a moisture cream, A night cream, a massage cream, cleansing cream, a makeup cream, A base cream, a pre makeup cream, a sunscreen cream, A suntan cream, a hair remover, a hair cream, a deodorant cream, Creams, such as shaving cream and a keratin softening cream; Cleansing cream gel, Gel, such as moisture gel : Toilet soap, a transparent soap, medicated soap, liquid soap, Pack masks, such as soap; PIRU-off packs, such as shaving soap and synthetic toilet soap, a powder pack, WOSSHINGUPAKKU, an oil pack, and a cleansing cream mask; essence, such as moisturization essence, whitening essence, and ultraviolet-rays prevention essence, etc. can be illustrated.

[0051] as makeup cosmetics -- face powder - dusting powder, foundations, lip sticks, rouge, an eyeliner, mascara, eye shadow, an eyebrow pencil, an eye blow, a nail enamel, an enamel remover, a nail treatment, etc. can be illustrated.

[0052] as the cosmetics for hair -- oil shampoo, a cream shampoo, and a conditioning shampoo -- advancing -- business -- the shampoo of a shampoo, a rinse one apparatus shampoo, etc., a rinse, a hair restorer, hair foam, a hair mousse, hair spray, hair Myst, hair gel, water grease, a setting lotion, a curler lotion, liquid pomade, pomade, a tic, a hair cream, a hair blow, a split hair coat, hair oil, the agent for a permanent wave, hair dye, hair bleach, etc. can be illustrated.

[0053] As aroma cosmetics, a perfume, PAFUYUMU, a PAL femme, an ODO PAL femme, a Toilet water, cologne, perfume paste, aroma powder, perfume soap, a body lotion, bus oil, etc. can be illustrated.

[0054] As body cosmetics, in sect repellers, such as deodorization cosmetics; decolorizers, such as charge of body washing; deodorant lotions, such as a body shampoo, deodorant powder, a deodorant spray, and a deodorant stick, and depilation, a depilating agent; baths; insect repellent spray, etc. can be illustrated.

[0055] Moreover, as a pharmaceutical form, it can use by pharmaceutical forms, such as emulsification mold cosmetics [of a water middle oil (O/W) mold, an oil Nakamizu (W/O) mold, a W/O/W mold and an O/W/O mold], oily cosmetics, solid cosmetics, liquefied cosmetics, and **-like cosmetics, stick-like cosmetics, volatile oil mold cosmetics, powder cosmetics, jelly-like cosmetics, gel-like cosmetics, paste-like cosmetics, emulsification macromolecule mold cosmetics, sheet-like cosmetics, Myst-like cosmetics, and spray mold cosmetics.

[0056] External preparations are directly applied to the skin by pharmaceutical forms, such as an ointment, patches, lotions, liniments, and liquefied paint. Although especially the loadings of the branching fatty acid ester to this invention external preparations are not limited, they are about 0.1 - 50 % of the weight, and especially its 0.5 - 30 % of the weight is desirable. All the additives usually used for these pharmaceutical preparation can be used for the combination component to an ointment, patches, lotions, liniments, the liquefied paint, etc.

[0057]

[Example] Hereafter, although this invention is explained in more detail using an example, this invention is not restricted at all by these.

[0058] The example of manufacture of the ester of the branched chain fatty acid and octyl dodecanol which were obtained by carrying out fractionation of the lanolin fatty acid by the approach indicated by example of manufacture 1 JP,6-234994,A is shown below.

[0059] 4.6g of Para toluenesulfonic acid is added to the 4 opening flask of 2L equipped with an agitator, a thermometer, nitrogen gas entrainment tubing, and a reflux cooling pipe as 465g (the Nippon Fine Chemical Co., Ltd. make, trade name FA-NH, acid number 181.3) of branched chain fatty acids, octyl dodecanol (hydroxyl value 184) 458g, and a catalyst, and it was made to react at 115-120 degrees C for 4 hours, blowing nitrogen. Then, it cooled radiationally to 80 degrees C, decolorization deodorization processing was performed with the conventional method, and branched chain fatty acid octyl dodecanol ester 790g was obtained. The analysis values of the obtained branched chain fatty acid octyl dodecanol ester were acid-number =0.23, saponification value =98.6, hydroxyl value =3.2, and cloudy point =4.0 degree C.

[0060] 40-degree C measurement of viscosity of the branched chain fatty acid octyl dodecanol ester obtained in the example 1 of example of trial 1 manufacture and evaluation of a feel were performed, and it compared with elasticity lanolin fatty-acid octyl dodecanol ester (the Nippon Fine Chemical Co., Ltd. make, trade name YOFCO FE-1 SS). Measurement of viscosity was performed using the Ostwald viscometer, and evaluation of a feel was performed by the organoleptics by the female panelist. The result is shown in Table 1.

[0061] In this case, the valuation basis of a feel is as follows.

[Concordance to the skin]

O : it is very good.

O : it is good.

** : It can be called neither.

x : It is bad.

[There is no feeling of oiliness.]

O : there is no feeling of oiliness very much.

O : there is no feeling of oiliness.

** : It can be called neither.

x : It is oily.

[There is no feeling of stickiness.]

O : it attaches with extraordinary glue stock and there is no admiration.

O : there is no feeling of stickiness.

** : It can be called neither.

x : There is a feeling of stickiness.

[Mileage]

O : it is very good.

O : it is good.

** : It can be called neither.

x : It is bad.

[0062]

[Table 1]

	本発明の分岐脂肪酸 オクチルドデカノール エステル	軟質ラノリン脂肪酸 オクチルドデカノール エステル
粘度 (40℃)	26 cSt	31 cSt
皮膚へのなじみ	◎	○
油性感の無さ	◎	○
べとつき感の無さ	◎	○
のび	◎	○

[0063] The viscosity of branched chain fatty acid octyl dodecanol ester was 26 centistokes to the viscosity of elasticity lanolin fatty-acid octyl dodecanol ester having been 31 centistokes. Moreover, although both had the almost same molecular weight, it turned out that the direction of branched chain fatty acid octyl dodecanol ester has low viscosity, and a feel is good.

[0064] The branched chain fatty acid octyl dodecanol ester obtained in the example 1 of example 1 manufacture was blended with the emollient cream.

** Part Ratio (% of the weight)

Oil phase component: Branched chain fatty acid octyl dodecanol ester of the example 1 of manufacture 5.0 Macadamia-nuts oil fatty-acid cholesteryl 5.0 Squalane 5.0

Methyopolysiloxane 2.0 Cetanol 2.0 Composite-PC (phospholipid / cholesterol complex, Nippon Fine Chemical Co., Ltd. make) 2.0 Aqueous-phase component: Glycerol 5.0 1, 3-butylene glycol 5.0 Carboxyvinyl polymer (1% water solution) 20.0 Antiseptics Optimum dose Caustic alkali of sodium Optimum dose Purified water Amount which sets the whole to 100 [0065] An oil phase component is heated and stirred and is made into 70 degrees C with homogeneity. An aqueous-phase component is made into homogeneity at 70 degrees C, and caustic alkali of sodium adjusts to pH6. After adding to the oil phase which prepared this aqueous phase previously gradually and mixing to homogeneity by the homomixer, it cooled to 30 degrees C with the heat exchange machine, and the emollient cream was prepared.

[0066] Replaced with the branched chain fatty acid octyl dodecanol ester (5 % of the weight)

of example of comparison 1 example 1, and 5 % of the weight was used for elasticity lanolin fatty-acid octyl dodecanol ester (the Nippon Fine Chemical Co., Ltd. make, trade name YOFCO FE-1 SS), and also the emollient cream was prepared like the example 1.

[0067] The branched chain fatty acid octyl dodecanol ester obtained in the example 1 of example 2 manufacture was blended with the milky lotion.

**** Part Ratio (% of the weight)**

Oil phase component: Branched chain fatty acid octyl dodecanol ester of the example 1 of manufacture 5.0 Macadamia-nuts oil fatty-acid cholesteryl 3.0 Squalane 1.0

Methyopolysiloxane 1.0 Composite-PC (phospholipid / cholesterol complex, Nippon Fine Chemical Co., Ltd. make) 2.0 Aqueous-phase component: Glycerol 3.0 1, 3-butylene glycol 10.0 Carboxyvinyl polymer (1% water solution) 20.0 Antiseptics Optimum dose Caustic alkali of sodium Optimum dose Purified water Amount which sets the whole to 100 [0068]

An oil phase component is heated and stirred and is made into 70 degrees C with homogeneity. An aqueous-phase component is made into homogeneity at 70 degrees C, and caustic alkali of sodium adjusts to pH6. After adding to the oil phase which prepared this aqueous phase previously gradually and mixing to homogeneity by the homomixer, it cooled to 30 degrees C with the heat exchange machine, and the milky lotion was prepared.

[0069] Replaced with the branched chain fatty acid octyl dodecanol ester (5 % of the weight) of example of comparison 2 example 2, and 5 % of the weight was used for elasticity lanolin fat fatty-acid octyl dodecanol ester (the Nippon Fine Chemical Co., Ltd. make, trade name YOFCO FE-1 SS), and also the milky lotion was prepared like the example 2.

[0070] The branched chain fatty acid octyl dodecanol ester obtained in the example 1 of example 3 manufacture was blended with the liquefied cream shampoo.

**** Part Ratio (% of the weight)**

The branched chain fatty acid octyl dodecanol ester of the example 1 of manufacture 1.0 Polyoxyethylene (3) lauryl sulfuric acid Triethanolamine (40%) 30.0 Sodium lauryl sulfate (30%) 15.0 Lauroyl diethanolamide 3.0 Distearic acid polyethylene glycol 2.0 Antiseptics Optimum dose Scent Charge Optimum dose Purified water Amount which sets the whole to 100 [0071] After having heated purified water at 70 degrees C, adding other components and dissolving in homogeneity, it cooled and the liquefied cream shampoo was prepared.

[0072] Replaced with the branched chain fatty acid octyl dodecanol ester (1 % of the weight) of example of comparison 3 example 3, and 1 % of the weight was used for elasticity lanolin fatty-acid octyl dodecanol ester (the Nippon Fine Chemical Co., Ltd. make, trade name YOFCO FE-1 SS), and also the liquefied cream shampoo was prepared like the example 3.

[0073] The branched chain fatty acid octyl dodecanol ester obtained in the example 1 of example 4 manufacture was blended with hair rinse.

**** Part Ratio (% of the weight)**

The branched chain fatty acid octyl dodecanol ester of the example 1 of manufacture 1.0 Cetyl alcohol 4.5 Stearyl chloride trimethylammonium 2.0 Glycerol 3.0 Antiseptics Optimum dose Perfume Optimum dose Coloring matter Optimum dose Purified water Amount which sets the whole to 100 [0074] Stearyl chloride trimethylammonium, a glycerol, and coloring matter are added to purified water, and it keeps at 70 degrees C (aqueous phase), and other components are mixed, the heating dissolution is carried out, and it keeps at 70 degrees C (oil phase). It cools adding an oil phase to the aqueous phase and stirring after emulsification by the homomixer.

[0075] Replaced with the branched chain fatty acid octyl dodecanol ester (1 % of the weight) of example of comparison 4 example 4, and 1 % of the weight was used for elasticity lanolin fatty-acid octyl dodecanol ester (the Nippon Fine Chemical Co., Ltd. make, trade name YOFCO FE-1 SS), and also hair rinse was prepared like the example 4.

[0076] The branched chain fatty acid octyl dodecanol ester obtained in the example 1 of example 5 manufacture was blended with the lip stick.

**** Part Ratio (% of the weight)**

Branched chain fatty acid octyl dodecanol ester of the example 1 of manufacture 25.0 Castor oil 46.7 Carnauba wax 3.0 Candelilla low 6.0 Ceresin 9.0 Titanium dioxide 6.5 Red No. 201 1.5 Red No. 202 2.0 Yellow No. 4 0.3 Perfume Optimum dose [0077] A titanium dioxide, red No. 201, red No. 202, and yellow No. 4 are applied to a part of castor oil, and it scours with a roller, and distributes to homogeneity (pigment section). After mixing other components and carrying out the heating dissolution, the pigment section is added and it distributes to homogeneity by the homomixer. After distribution, after deaerating, it slushes into a mold, quenches and considers as the shape of a stick.

[0078] Replaced with the branched chain fatty acid octyl dodecanol ester (25 % of the weight) of example of comparison 5 example 5, and 25 % of the weight was used for elasticity lanolin fatty-acid octyl dodecanol ester, and also the lip stick was prepared like the example 5.

[0079] The emollient cream and milky lotion which prepared in the example 1 to the example of trial 2 female panelist, and were prepared in the examples 1 and 2 of a comparison in 2 lists were made to actually use it, and practical use evaluation was performed. The result is shown in Table 2.

[0080] In this case, the valuation basis of a feeling of use and the durability of that feeling of use is as follows.

[A feeling of use]

"O": -- very -- fitness and "O": -- fitness and "***": -- the following criteria estimated a feeling of use after a defect and "x": poor [durability] use 5-hour progress a little.

"O": -- very -- fitness and "O": -- fitness and "***": -- a little -- a defect and "x": -- a defect

[0081] A table shows that the emollient cream of this invention and the milky lotion are very excellent in a feeling of use, and durability.

[0082]

[Table 2]

		実施例1の エモリエント クリーム	比較例1の エモリエント クリーム	実施例2の 乳液	比較例2の 乳液
使用感	べたつきのなさ	◎	○	◎	○
	油性感のなさ	◎	○	◎	○
	ざつぱり感	◎	○	◎	○
	すべすべ感	◎	○	◎	○
持続性	べたつきのなさ	◎	○	◎	○
	油性感のなさ	◎	○	◎	○
	ざつぱり感	◎	○	◎	○
	すべすべ感	◎	○	◎	○

[0083] The shampoo and hair rinse which prepared in the example 3 to the example of trial 3 female panelist, and were prepared in the examples 3 and 4 of a comparison in 4 lists were made to actually use it, and practical use evaluation was performed. Evaluation was gently performed about four items of admiration, flexibility, smooth nature, and settlement nature by the valuation basis of use backward hair which is a degree. The result was shown in Table 3.

[0084] [-- gently -- admiration]

O : carry out very gently.

O : carry out gently.

** : It can be called neither.

x : Don't carry out gently.

[Flexibility]

O : it is very soft.

O : it is soft.

** : Even if hard, it cannot be said that it is soft.

x : It is hard.

[Smooth nature]

O : be very much.

O : be.

** : It can be called neither.

x : There is nothing.

[Settlement nature]

O : it is collected very much.

O : it is collected.

** : It can be called neither.

x : It is not collected.

[0085]

[Table 3]

	しっとり感	柔軟性	平滑性	まとまり性
実施例 3 の シャンプー	◎	◎	◎	○
実施例 4 の リンス	◎	◎	◎	◎
比較例 3 の シャンプー	○	○	○	○
比較例 4 の リンス	○	○	○	○

[0086] Table 3 shows that the shampoo of this invention and the rinse are excellent in a feeling of use.

[0087] The example of trial 4 female panelist was made to actually use the lip stick prepared in the example 5 of a comparison for example 5 list, and practical use evaluation and evaluation of stability were performed. Practical use evaluation was gently performed by the valuation basis the time of use, or use backward which is a degree about admiration, adhesion, an extensibility, luster, a lack [a feeling of stickiness], and six items that it has. The result was shown in Table 4.

[0088] [-- gently -- admiration]

O : carry out very gently.

O : carry out gently.

** : It can be called neither.

x : Don't carry out gently.

[Adhesion]

O : per emergency is good.

O : attach and ** is good.

** : Even if good, it cannot be said that it is bad.

x : It is bad.

[Extensibility]

O : elongation is very good.

O : elongation is good.

** : Even if good, it cannot be said that it is bad.

x : Elongation is bad.

[There is no feeling of stickiness.]

O : it is very sticky and there is no admiration.

O : there is no feeling of stickiness.

** : It can be called neither.

x : There is a feeling of stickiness.

[-- having --]

O : it has very much and ** is good.

O : it has and ** is good.

** : It can be called neither.

x: **** is bad.

[0089]

[Table 4]

	使 用 感					
	しっとり 感	付着性	伸展性	つや	べたつき 感の無さ	持ち
実施例5の口紅	◎	◎	◎	◎	◎	◎
比較例5の口紅	○	○	○	○	○	○

[0090] It turns out that a feeling of use and **** have a lip stick better than Table 4 concerning this invention.

[0091]

[Effect of the Invention] The cosmetics which blended the branched chain fatty acid octyl dodecanol ester concerning this invention, and external preparations are compared with what blended conventional octyl dodecanol ester, and the effectiveness excellent in a feeling of use is demonstrated.